



**DIVISION OF MINES
BOARD OF COAL MINING EXAMINERS
CERTIFICATION REQUIREMENTS**

ADVANCED FIRST AID

Article 3 of the Coal Mine Safety Laws of Virginia establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

CERTIFICATION CLASSIFICATION: *Advanced First Aid*

This certification authorizes the holder to meet standards for emergency care in the coal mining industry required by §45.1-161.199.

APPLICATION/EXPERIENCE REQUIREMENTS:

- Application (BCME-1) and \$10.00 fee 5 working days prior to examination
- 24 hour Advanced First Aid course taught by an Advanced First Aid Instructor

NOTE: TRANSFER OF EMT/FIRST RESPONDER CERTIFICATION TO ADVANCED FIRST AID MAY BE ACCOMPLISHED BY:

- Application (BCME-1) and \$10.00 fee
- Provide verification of valid EMT/First Responder certification issued by EMS-VA
- Attend 8 hours Advanced First Aid Reciprocity Training Course conducted by a DM certified Advanced First Aid Instructor
- Hold a General Miner Certification, if required by law. Miners who have Virginia coal mining experience prior to January 1, 1996, and wish to obtain general miner certification must meet BCME requirement 4 VAC 25-20-255 B.1.2.3. or attend required general miner training.

EXAMINATION REQUIREMENTS: The examination for certification in Advanced First Aid requires a passing score of 80% on the written sections of the examination.

<u>ELEMENTS OF EXAM</u>	<u>NUMBER OF QUESTIONS</u>
<u>Section 1</u> (F1) <ul style="list-style-type: none">▪ Respiratory Emergencies, Respiratory System▪ Introduction to First Aid▪ Wounds	20

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ELEMENTS OF EXAM**NUMBER OF QUESTIONS****Section 2 (F2)**

20

Circulatory System

- Control of Bleeding
- Shock

Section 3 (F3)

20

Musculoskeletal System

- Abdominal Injuries
- Chest Injuries
- Dislocations
- Face & Throat Injuries
- Fractures
- Head Injuries
- Lower & Upper Extremities Injuries
- Pelvic Injuries
- Spinal Injuries
- Sprains
- Transporting Victims

Section 4 (F4)

20

Accidental Poisonings**Environmental Emergencies**

- Burns
- Cold Exposure
- Stings & Bites

Emergency Rescue

- Electrical Circuits
- Hazardous Materials
- Irrespirable Atmosphere
- Machinery Entrapment
- Roof & Rib Entrapment

Sudden Illness

- Diabetes
- Epilepsy
- Heart Attack
- Stroke

NOTE: Each student must successfully complete:

- Course in Cardiopulmonary Resuscitation (CPR) i.e., heart saver or other four-hour equivalent
- Practical examination which includes forearm, lower leg, spine board

RECOMMENDED REFERENCE/STUDY MATERIALS:

- American Red Cross - Emergency Response
- BCME Requirements

The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Keen Mountain Field Office (276) 498-4533.

***4 hours Advanced First Aid continuing education annually will update this certification.**